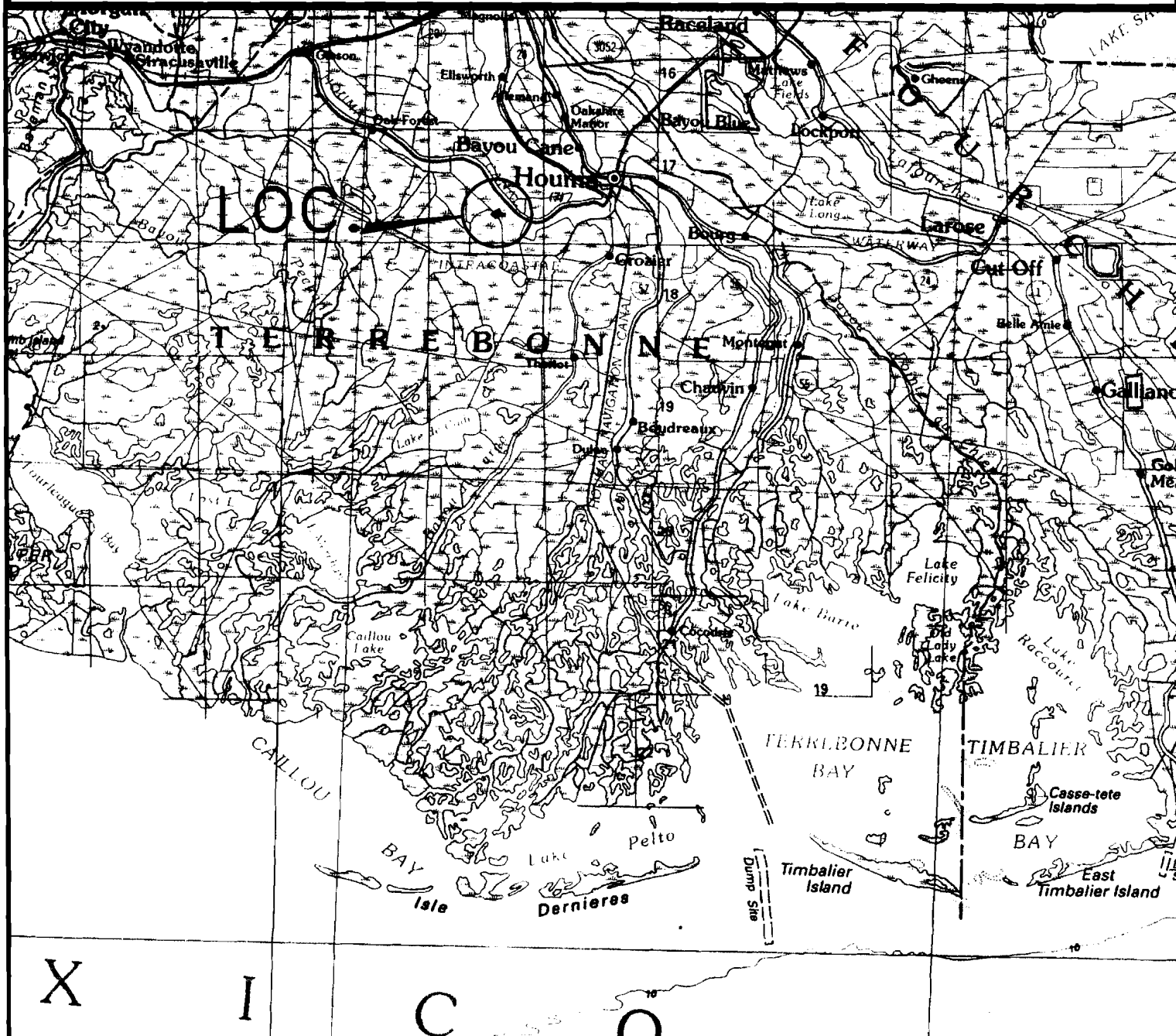


APPROX. 7.5 MILES WEST SOUTHWESTERLY FROM HOUMA, LA.



LLOG EXPLORATION COMPANY, L.L.C.
ONE (1) PROPOSED 6" FLOWLINE

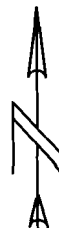
LOCATED IN
 SECTIONS 54, 55, 56, 89
 & 90 OF T17S-R16E
 ORANGE GROVE FIELD
 TERREBONNE PARISH, LOUISIANA
 SCALE: 1" = 8 MILES JUNE 12, 2007

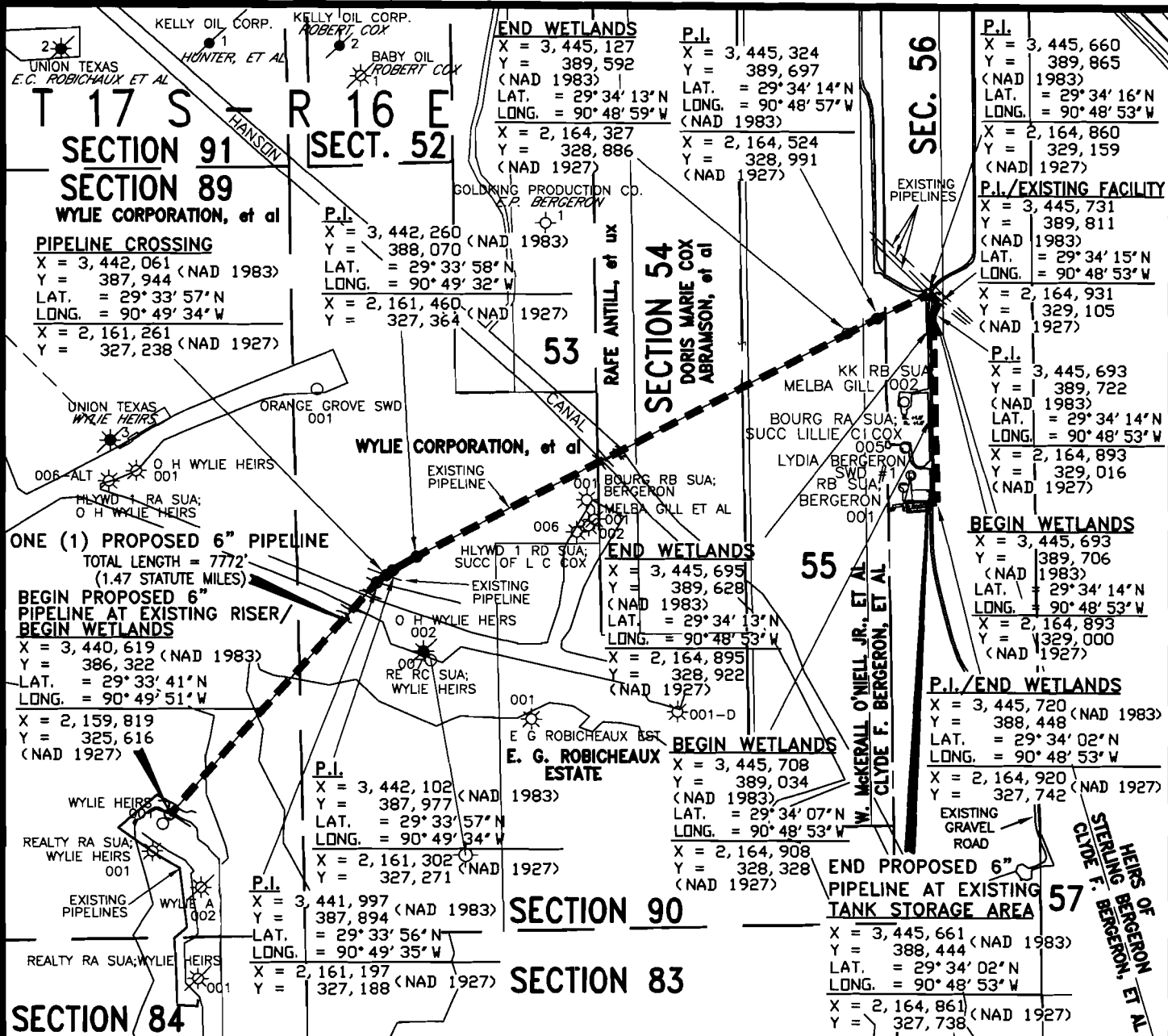
APPLICATION BY:

LLOG EXPLORATION COMPANY, L.L.C.
 SUITE 600
 433 METAIRIE ROAD
 METAIRIE, LA 70005
 PH: 504-833-7700

SHEET 1

ERIC G. RYALS, INC.
 P.O. BOX 1258
 MANDEVILLE, LA 70470





NOTE: ADDITIONAL PIPELINES MAY EXIST.

ALL COORDINATES AND BEARINGS ARE GRID, AND ARE ON THE LOUISIANA LAMBERT PLANE COORDINATE SYSTEM, SOUTH ZONE, 1983 NORTH AMERICAN DATUM.

NOTE: 1927 NAD COORDINATES ARE ALSO SHOWN.

APPLICATION BY:

LLOG EXPLORATION COMPANY, L.L.C.
SUITE 600
433 METAIRIE ROAD
METAIRIE, LA 70005
PH: 504-833-7700

LLOG EXPLORATION COMPANY, L.L.C. ONE (1) PROPOSED 6" FLOWLINE

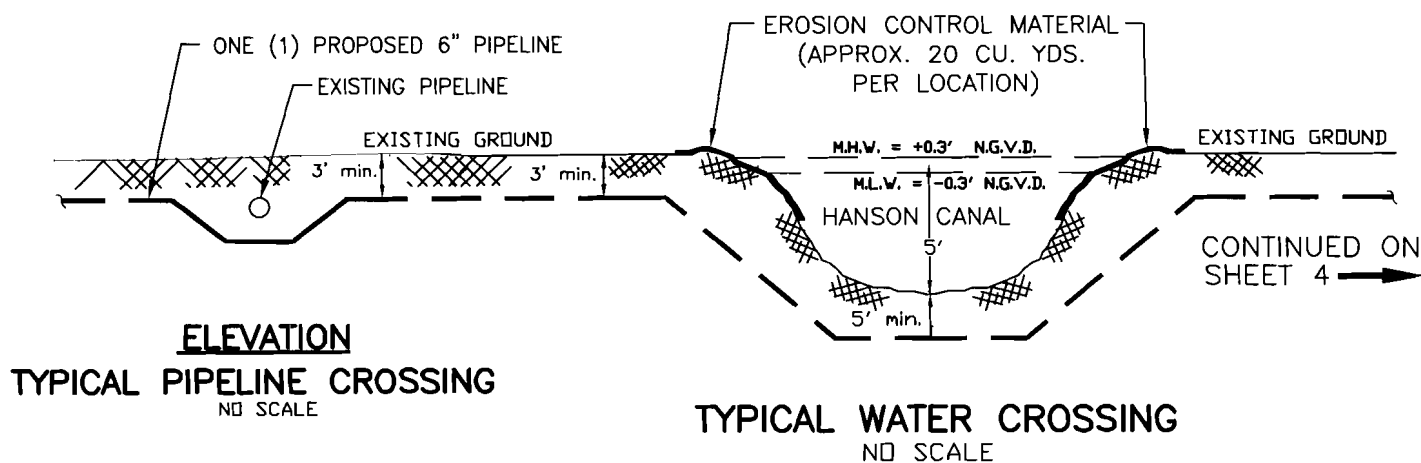
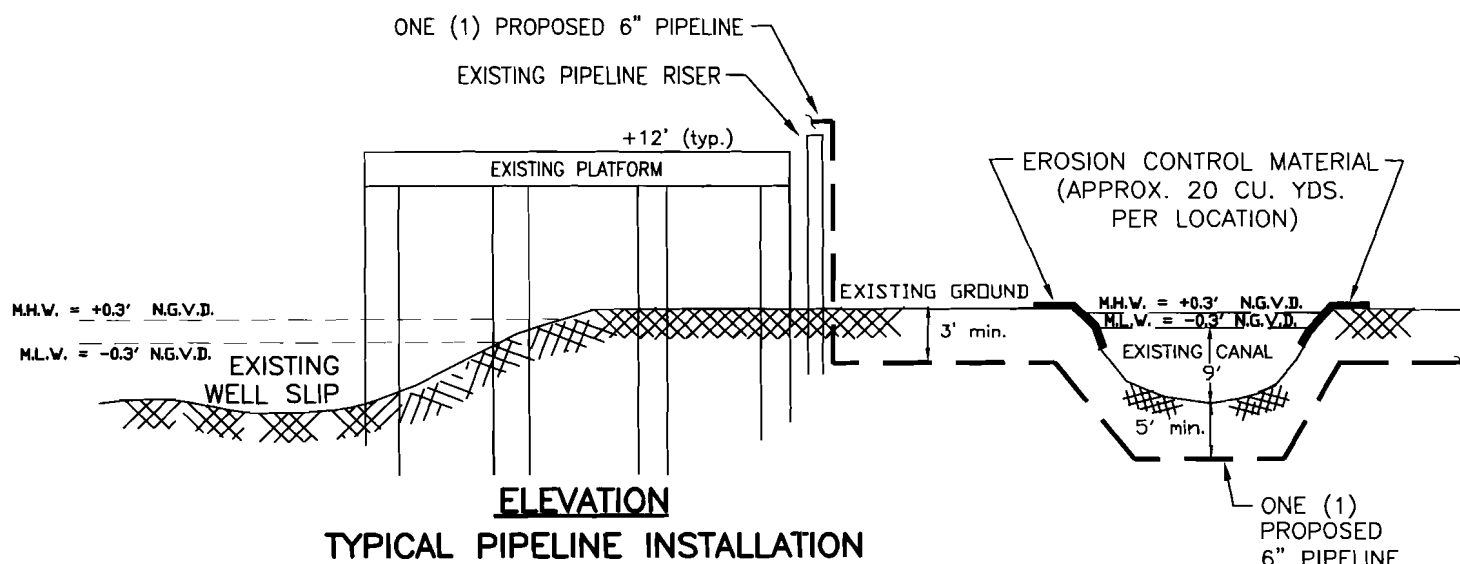
LOCATED IN
SECTIONS 54, 55, 56, 89
& 90 OF T17S-R16E
ORANGE GROVE FIELD
TERREBONNE PARISH, LOUISIANA
SCALE: 1" = 1000' JUNE 12, 2007

ERIC G. RYALS, INC.
P.O. BOX 1258
MANDEVILLE, LA 70470



Approximately 20 cubic yards of erosion control material will be placed where the proposed pipelines meet the open water/land interface.

Four (4) water/land interfaces are required for a total of approximately 80 cubic yards of erosion control material.



LLOG EXPLORATION COMPANY, L.L.C.

ONE (1) PROPOSED 6" FLOWLINE

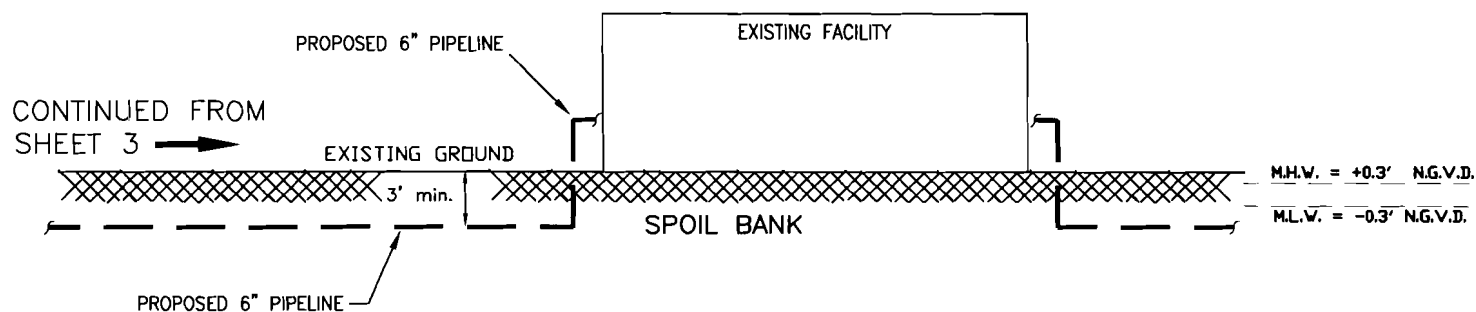
LOCATED IN
SECTIONS 54, 55, 56, 89
& 90 OF T17S-R16E
ORANGE GROVE FIELD
TERREBONNE PARISH, LOUISIANA
SCALE: AS SHOWN JUNE 12, 2007

APPLICATION BY:

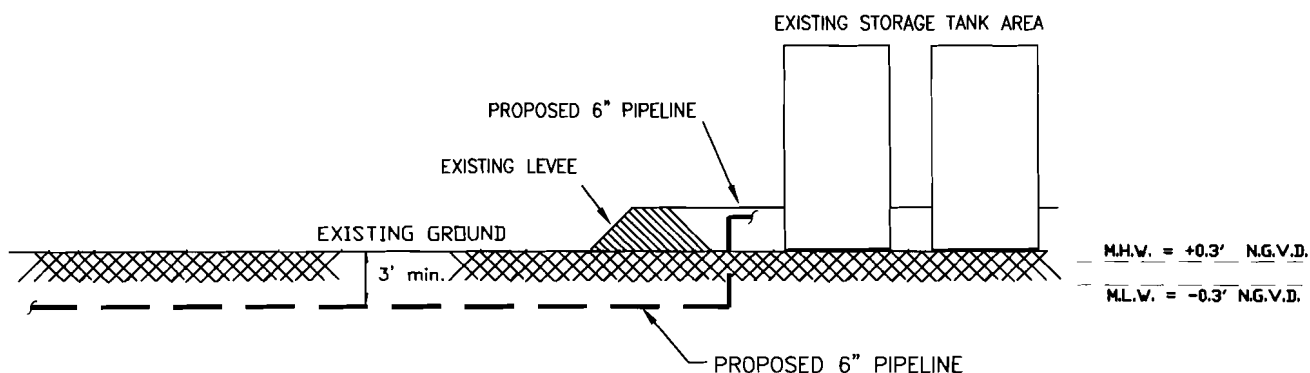
LLOG EXPLORATION COMPANY, L.L.C.
SUITE 600
433 METAIRIE ROAD
METAIRIE, LA 70005
PH: 504-833-7700

SHEET 3

ERIC G. RYALS, INC.
P.O. BOX 1258
MANDVILLE, LA 70470



ELEVATION
TYPICAL PIPELINE INSTALLATION
 NO SCALE



ELEVATION
TYPICAL PIPELINE INSTALLATION
 NO SCALE

LLOG EXPLORATION COMPANY, L.L.C.
ONE (1) PROPOSED 6" FLOWLINE

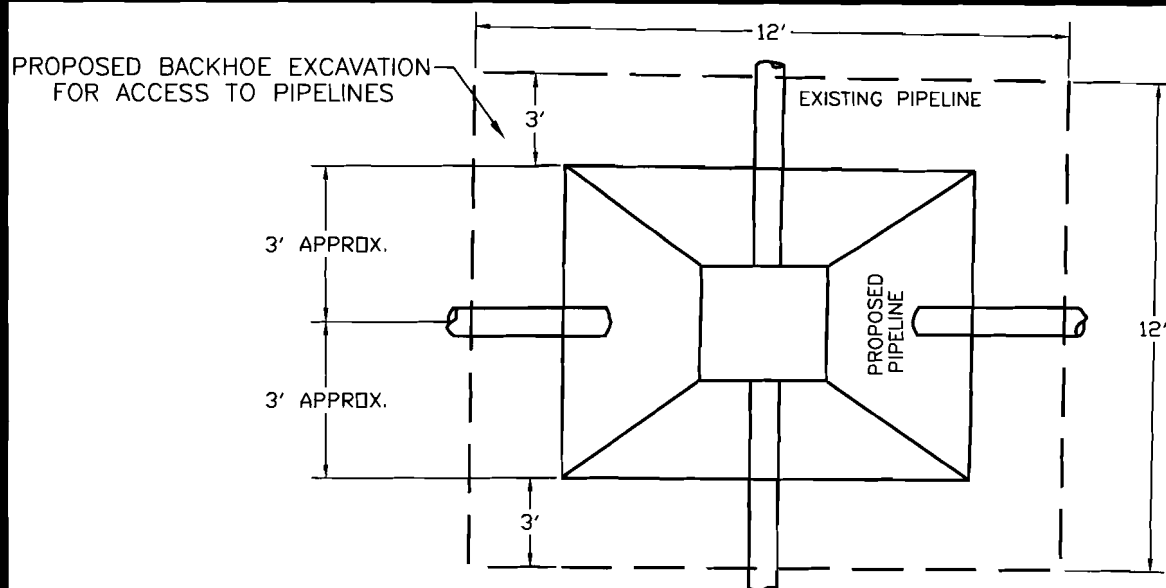
LOCATED IN
 SECTIONS 54, 55, 56, 89
 & 90 OF T17S-R16E
 ORANGE GROVE FIELD
 TERREBONNE PARISH, LOUISIANA
 SCALE: AS SHOWN JUNE 12, 2007

APPLICATION BY:

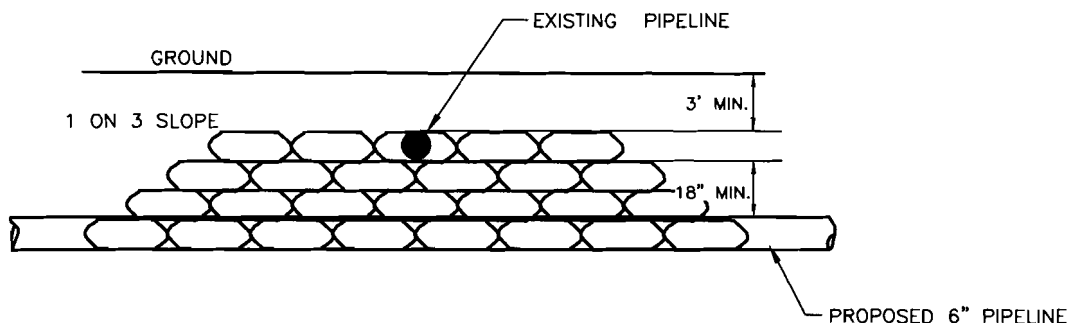
LLOG EXPLORATION COMPANY, L.L.C.
 SUITE 600
 433 METAIRIE ROAD
 METAIRIE, LA 70005
 PH: 504-833-7700

SHEET 4

ERIC G. RYALS, INC.
 P.O. BOX 1258
 MANDEVILLE, LA 70470



PLAN
TYPICAL PIPELINE CROSSING
NO SCALE



NOTES:

1. CEMENT SAND MIXTURE SHALL BE 1 TO 3 PARTS BY WEIGHT.
2. AFTER FILLING, BAGS WILL BE CLOSED BY SEWING OR THE EQUIVALENT.
3. BAGS SHALL BE MADE OF CLOSELY WOVEN MATERIAL WITH A WICKING ACTION.
4. APPROXIMATELY 5 CUBIC YARDS OF SANDBAGS WILL BE INSTALLED FOR THE CROSSING.

ELEVATION
TYPICAL PIPELINE CROSSING
NO SCALE

LLOG EXPLORATION COMPANY, L.L.C.
ONE (1) PROPOSED 6" FLOWLINE

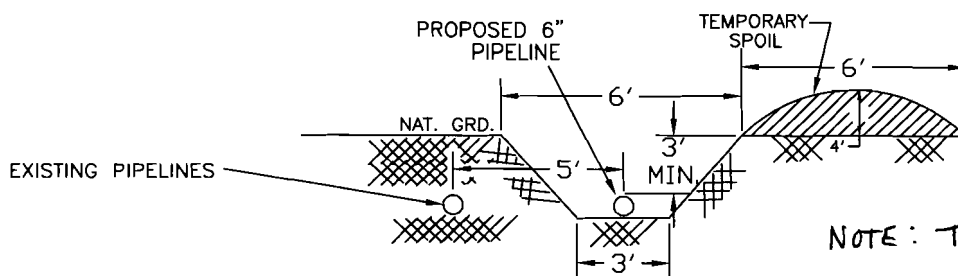
LOCATED IN
SECTIONS 54, 55, 56, 89
& 90 OF T17S-R16E
ORANGE GROVE FIELD
TERREBONNE PARISH, LOUISIANA
SCALE: AS SHOWN JUNE 12, 2007

APPLICATION BY:

LLOG EXPLORATION COMPANY, L.L.C.
SUITE 600
433 METAIRIE ROAD
METAIRIE, LA 70005
PH: 504-833-7700

SHEET 5

ERIC G. RYALS, INC.
P.O. BOX 1258
MANDEVILLE, LA 70470



NOTE: Temporary r-o-w = 100'
Permanent r-o-w = 35'

TYPICAL TRENCH ON NATURAL GROUND

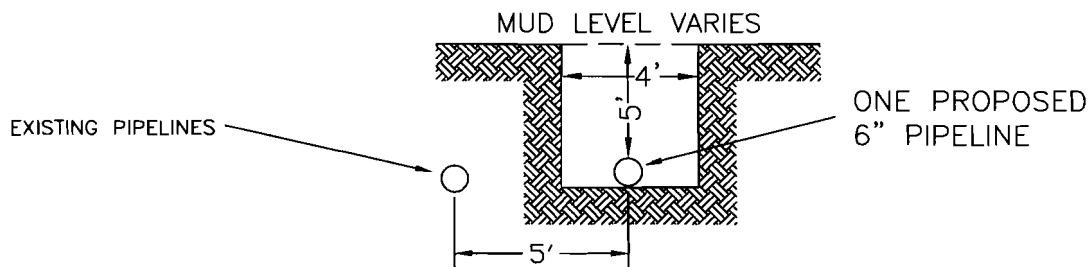
NO SCALE

THE PIPELINE WILL BE INSTALLED BY BACKHOE EQUIPMENT
ADJACENT TO THE EXISTING PIPELINE.

THE PIPELINE WILL BE INSTALLED BY JETTING.

M.H.W. = +0.3' N.G.V.D.

M.L.W. = -0.3' N.G.V.D.



TYPICAL TRENCH IN EXISTING BAYOU

NO SCALE

THE PIPELINE WILL BE INSTALLED BY BACKHOE EQUIPMENT
ADJACENT TO THE EXISTING PIPELINE.

LLOG EXPLORATION COMPANY, L.L.C. ONE (1) PROPOSED 6" FLOWLINE

LOCATED IN
SECTIONS 54, 55, 56, 89
& 90 OF T17S-R16E
ORANGE GROVE FIELD
TERREBONNE PARISH, LOUISIANA

SCALE: AS SHOWN JUNE 12, 2007

APPLICATION BY:

LLOG EXPLORATION COMPANY, L.L.C.
SUITE 600
433 METAIRIE ROAD
METAIRIE, LA 70005
PH: 504-833-7700

SHEET 6

ERIC G. RYALS, INC.
P.O. BOX 1258
MANDEVILLE, LA 70470

NOTES:

1. Approximately 3615 cubic yards of material will be removed by backhoe in wetlands and backfilled once installation is complete.
Approximately 864 cubic yards of material will be removed by backhoe in non wetlands and backfilled once installation is complete.
Approximately 130 cubic yards of material will be displaced by jetting in the existing canals.
2. All structures, facilities, well and pipelines/flowlines shall be removed within 120 days of abandonment of the facilities for the permitted use, unless prior written approval to leave such structures in place is received from the Coastal Management Division.
This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required for such removal activities.
3. As-built drawings shall be submitted within thirty (30) days of completion of this project to the Louisiana Department of Natural Resources, Office of Conservation Pipeline Division, P.O. Box 94275, Baton Rouge, LA 70804 and to the Louisiana Department of Natural Resources, Coastal Management Division, P.O. Box 44487, Baton Rouge, LA 70804-4487.
4. In order to ensure the safety of all parties, the permittee shall contact the Louisiana ONE CALL System (1-800-272-3020) a minimum of 96 hours prior to the commencement of any excavation (digging, dredging, jetting, etc.) or demolition activity.
5. All oil and gas platforms and appurtenant structures shall be marked/lighted in accordance with U.S. Coast Guard regulations.
6. Total linear footage of proposed pipeline line in wetlands: 6158 L.F.
Total linear footage of proposed pipeline in non wetlands: 1454 LF.
Total linear footage of proposed pipeline in existing canals: 160 LF.
7. Approximately 1.7 acres will be impacted in wetlands.
Approximately 0.4 acres will be impacted on non wetlands.
Approximately 0.04 acres will be impacted in existing canals.
8. Approximately 5 cubic yards of sand bags will be placed where the proposed pipeline crosses the existing pipeline.
9. Approximately 10 cubic yards of erosion control material will be placed where the proposed pipeline meets the open water/land interface.
Four (4) water/land interfaces are required for a total of approximately 40 cubic yards of erosion control material.

LLOG EXPLORATION COMPANY, L.L.C.

ONE (1) PROPOSED 6" FLOWLINE

LOCATED IN
SECTIONS 54, 55, 56, 89
& 90 OF T17S-R16E
ORANGE GROVE FIELD
TERREBONNE PARISH, LOUISIANA
SCALE: AS SHOWN JUNE 12, 2007

APPLICATION BY:

LLOG EXPLORATION COMPANY, L.L.C.
SUITE 600
433 METAIRIE ROAD
METAIRIE, LA 70005
PH: 504-833-7700

SHEET 7

ERIC G. RYALS, INC.
P.O. BOX 1258
MANDEVILLE, LA 70470